

NOTAS

• 9804 - 9923



Arthur Cronquist
New York Botanical
Garden
New York 58, N.Y.
U.S.A.

Collected November 4, 1962
in oak-pine woods in
the mountains about 32
road miles west of Ayutla,
and about 70 miles northwest
of Autlán, state of Jalisco,
Mexico. Elevation about
6300 feet. Disk yellow.
Rays 1-5, typically 5, white.

Calea sp.

Calea ⑩

U. 582

9805 - November 4, 1962,
Same place as 9804.

Flowers white. Plants
single-stemmed.

Eupatorium lemmoni Rob.

Eupatorium (5)

9806 - November 4, 1962
In wet soil along the edge
of a creek in the mountains
about 32 road miles west
of Aguilar, and about 70
miles northwest of Autlán,
state of Jalisco, Mexico.
Elevation about 6300 feet.
Disk yellow. Rays white,
mostly 8.

Cosmos mcvaughii Sheriff
det. E.E. Sheriff

Velutinus ⑨

9807 - November 5, 1962
open oak-pine woods in
the mountains about 19
road miles west of Aguilar
and about 60 miles north
west of Guadalajara, state
of Jalisco, Mexico. Elevation
about 6100 feet. Plants 6-8
dm. tall, much branched,
shrubby below the
branches of the season
somewhat glaucous. Heads
white, with one or two
rays. anthers green.

Guardiola mexicana Humb. &
Bonpl.

Guardiola 10

9808 - November 5, 1962
Subtropical deciduous
forest about 11 miles
south of Acatlán,
state of Jalisco, Mexico.
Elevation about 4000 feet.
Scrambling arborescent
shrub up to about 4
m. tall, the trunk up to
about 1 dm. thick at the
base. Heads bright deep
orange. Achenes flattened,
winged. Pappus a pair of awns.

Verbesina crocata (Cav.) Less.

2000

Verbesina 8

Nov. 7, 1962. - 9809

Marshy meadow about 4.5 miles west of Guanacatlan, and a few miles southeast of Guadalajara, state of Jalisco, Mexico. Elevation about 5000 feet. Heads Plants rhizomatous, single stem and from the base. Heads yellow, with typically 5 rays, these apparently fertile. Achenes long, narrow, somewhat flattened but not winged.

Bidens aurea (Ait.) Sheriff
dupl. det. E. E. Sheriff

11K 7

680.5

83.0

Coreopsis? (5)

9810 - November 7, 1962.

Same place as 9809.

Plants single-stemmed
from a short taproot,
up to 1 m. or ~~no~~ more tall.
Disk bright yellow. Ray
solitary, rather pale yellow.

Schkuhria schkuroides (Link +
Otto) Thellung

odd Helianthoid ⑧

cont. November 7, 1962

9811 - November 7, 1962
In shallow standing water at
the edge of Atotonilquillo,
about 25 miles southeast of
Guadalajara, State of
Jalisco, Mexico. Elevation
about 5000 feet. Plants
evidently annual, but
the stem coarse at the base.
Leaves yellow, with
13-39 rays.

Olivaea tricuspis Sch.-Bip.

Atotonilquillo-edge. 696.

13-39

719

26. Augt

47.8 "

Olivaea ①

2812 - November 8, 1903
Locality site along a tributary
of the Rio in the laguna of the
Rio Grande de Santiago,
about 5 road miles north-
west of Guadalajara, state
of Jalisco, Mexico.

It has a bare 1/4 m bottom
of gravel. Elevation
3500 feet
Soil very light brown
but slightly gray. Cold.
Flowers white.

Eupatorium quadrangulare DC.

cont - ~~Monterrey~~ 4.1962
- Monterrey, 8, 1962
in valley in shade of
deciduous
trees not far above the
bottom of the barranca
of the Rio Grande de Santiago,
about 5 road miles north
west of Guadalajara, State
of Jalisco, Mexico. Eleva-
tion about 3500 feet.
Flowers inconspicuous

Brickellia diffusa (Vahl) Gray

✓

Brickellia ⑦

November 3, 1962

Openings in ~~the~~ subtropical
deciduous forest not far
above the bottom of the
baranca of the Rio Grande
de Santiago, about 5 road
miles northeast of Guadal-
vina, state of Nuevo
Mexico. ~~Should~~ The
~~same species also observed~~
~~near the top~~ Elevation
about 3500 feet. The same
species observed near the
top of the baranca, at
about 5000 feet. Shrubs
1-1.5 m. tall; heads yellow
with 3-13 rays. Ray achenes
empty, with a pappus 1/3 small
scallops. Pappus of thin lemmas
of 2 sizes and about 4 short
scallops. *Viguiera dentata* (Cav.) Spreng.
var. *canescens* (O.C.) Blake

335 - November 8, 1962

In subtropical deciduous forest zone in the
barren area of the Río Grande
de Santiago, not far below
the top about 5 road miles
northeast of Guadalajara,
state of Jalisco, Mexico.
Elevation about 4500 feet.
Shrubs about 1 m. tall.
Fls. yellow.

Trixis hyposericea S. Wats.
Type locality

Trixis (10)

TS 16 - November 8, 1962

Same place as 9.815, but
elevation about 5000 feet.
Much branched shrubs,
less than 1 m. tall, with
drooping leaves.

Fl. white, with
one or no rays. Anthers
seen

Guardiola angustifolia (Gray) Rob.

11. (6)

Collected 20 miles, 9, 1962
in pine along a small
creek 15 miles north of
Tlalpujahua in the
Sierra Madre Oriental, La Barranca,
State of Jalisco, Mexico
Elevation 5,000 feet.

Plants more or less shrubby
toward the base, less than 1 m.
tall. Heads orange-yellow.
Petals have 13 rays.

Coreopsis cordyllocarpa Gray

See Steyermark No. 10.

9818 - November 9, 1962
Same species as 9817. P. mts
about 6 dm tall. monomer
base of culm by toward the
base. Rays 10-13
Leaves yellowish-orange.

Jamaica, Rio Mar 11/12/1962

1962 - 1963 - 1964 - 1965 - 1966 - 1967 - 1968 - 1969 - 1970 - 1971 - 1972
In open oak grass country
about 15 miles north of
Guadalajara, state of Jalisco,
Mexico. Elevation
about 5100 feet.

Scrambling shrub about 1.5 m tall. Flowers unisexual, hermaphrodite, purple. Achenes compressed-quadrangular, not winged; pappus of 4 short, broad, caciniate-winged scales. Ray achenes apparently sterile, with reduced pappus.

3 *Viguiera parrycephala* (DC.) Hemsl.

Indonesia (3)

Fig 20 - November 9, 1962
Open, grassy, northward slope
of small ravine in oak-grass
savanna region about 16 road
miles north of Guadalajara, in
the town of San Cristobal de la
Casa, state of Jalisco, Mexico.
Elevation about 5,000 feet
Shrub 8-15 dm. tall, flowers
white

Calea albida Gray

9321 - November 9, 1962.
Upon oak grass savanna
country. About 17 road miles
north of Yucatán city, on
the road to San Cristóbal de Ca-
zón, state of Yucatán.
Elevation about
5200 feet.

Plants about 1 m. tall, shrubby toward the
base. Light yellow. Disk
orange.

Cosmos landii Sheriff

Cosmos (2)

7822. November 9, 1962
Open oak-grass savanna
country about 23 road
miles north of Uruapan,
on the road to San José del
Cerro, a Barrio, state of
Michoacán, Mexico. Elevation
approx. 900 ft.

Plants shrubby toward
the base, up to about 1 m.
Fls. Heavy yellow. Petals
and bracts 3, sterile, ^{more}
with reduced papillae. Achenes
plump, anteriorly disped, con-
stricted at the base into a small
ring that is crowned by a process
of several short, more or less
connate scales.

Aspilia angusta Blate

Tagetes subulata Cern.
I found small flat peat
moss tufts in the banana
groves of the Santiago
(chrysotile rock), 25 road miles
north of Tepic, Jalisco, on
a road to San Cristobal de la
Barca. 45° to 50° Celsius.
1500 feet. Heads yellow
with 5 rays, 1 cm. in
diam. scented

Appears mostly of 2 elongate,
flattened and -seals and 3
slighter seals, all more or less
concrete. Plants variably covered
with a dense tomentum,
perhaps resulting from fungous
attack.

Tagetes subulata Cern.

Tagetes (5)

9834 - November 9, 1962

Rocky, ~~phyllitic~~ & ~~lenses~~
in the ~~barren~~ ~~area~~ of the Rio
Grande de Santiago, about 25
road miles north of Guadalu-
pita, state of Jalisco, Mexico.
Elevation about 4500 ft. l.s.

Perpetually several-stemmed
purple ~~purple~~ ~~purple~~, up to about 4
ft. tall, & lower white

Eupatorium thrysiflorum
(Greene) Rob.

96-5 - November 9, 1902.
Same place as 9824.
Same as last 1-1.5 in. tall.
Leaves white

Stevia subpubescens Lag.

St. 5 (1)

9826 - November 10, 1962

Shady places in small
streams in sub-tropical
deciduous forest 5 road
miles southwest of
Mezquital del Oro, and
about 45 road miles north
of Guadalajara, state of
Zacatecas, Mexico.
Elevation about 4300 feet.
Stems subterranean.
Flowers lavender-pink.

Stevia elongata HBK. 1

J. B. T. - 4,000 m. or 10,170 ft.
in open grassy ^{and} ~~and~~ Acacia
scrub, about 7.5 miles
southwest of Mequital
Cerro Colorado, and less than a
mile from the boundary
of Jalisco, about 42 miles
northeast of north of
Guadalajara, State of
Zacatecas, Mexico. Elevation
about 4,500 feet.
Stems numerous, clustered
very stout, roundly corymbous.
Flowers dull white.

Brickellia scoparia (DC.) Gray

Brickellia (B)

1828 - November 13, 1962

Pale, alkaline, probably
gypsumous soil in dis-
tilled 3 are along the
road in Tama association,
about 58 miles north of
Tlaxcala, state of
Mexico, Mex.
elevation about 6000 feet
Fls. yellow, with
many rays

Hymenoxys odorata DC.

✓

Hymenoxys ⑦

26.09 - 1896 (13, 11)
In sandy, disturbed sites
along the road in Sierra
Community of 1000-13 miles
South of San Joaquin, and
about 75 miles north
of Matehuala, state
of Nuevo Leon, Mexico.
Elevation about ~~6~~
200 feet.

Dicranocarpus parviflorus
Gray

620'
313.0

✓

D. carnosus ②

7834 - November 13, 1962
In shaly, disturbed
sites along the road in
Terra Loma community about
3 miles south of San Roberto,
and about 75 miles north
of Mexicali, state of
Baja California, Mexico.
Elevation about 6200 feet.
Fls. yellow, with 2-5
rays.

Psilostrophe gnaphalodes
DC.

25
11/13/62 ⑨

1 - 17216. Jan 13, 1903.
Same place as 582.
Low shrub mostly 3
feet tall. Heads yellow.
Petals typically 8,
sometimes as few as 5, neutral.
Achenes compressed-quadrangular.
Pappus none.

Viguiera greggii (Gray) Blake

20 fm

14

1000 ft. (4)

9832 - 1) November 13, 1962.

Same place as 9830.

Leaves yellow, switch
about 13 rays.

^s
Dysodia pentachaeta (Oc.) Rob.

933 - Herbarium 13, 1962

Same species as 9830.

Freely branched, glabrous,
~~orange~~ somewhat aromatic.

Shrub 6-15 dm. tall.

Leaves dull yellow.

Flourensia cernua DC.

Flourensia 10

9834. November 13, 1962
Same place as 9830.

Finely branched shrubs
3-4 dm. tall, wider
than high.
Flowers whitish

Brickellia veronicaefolia (HBK.)
Gray

Brickellia ⑦

2835 - 4 for 13, 1763
2835 - 4 for 13, 1763
Low bushy Shrub 1-3 m.
Tall. & Lances. velutine

Brickellia veronicaefolia (HBk.)
Gray

low Brickellia ⑧

9836 November 13, 1962
Same place as 9830.
Plants with long, stout
rhizomes and most or
less erect or
slender stems.

Solidago velutina DC.

Solidago ④

9837 Nov 10. 1962
Lobelia 1833
Flowers ~~pink~~ bright
pink.

Perezia nana Gray

Reneea (5)

9838 - May 13, 1922
Same place as 9830.
Heads yellow.

Dysodia acerosa DC.

May 13, 1922 (5)

13) - Collected October 13, 1962
Published states along
the road in Coahuila
area in Trans-Mexican
40 miles south of Saltillo,
~~State of Coahuila~~ 5 miles
south of the Coahuila
boundary, state of Nuevo
Leon, Mexico. Elevation
about 6300 feet. Heads
orange, with mostly dry
parts aromatic, the odor
somewhat like that of
cigarettes.

)
677
358
Dysodia subintegerrima Lag.

6 mm
Tag 113

98 - Manzanillo 13, 1962

In low places along the roadside in lava association 6 miles north of Saltillo, State of Coahuila, Mexico.

Elevation about 4700 feet.

Shrubs or half shrubs up to about 1 m. tall. Flowers yellow, with mostly 3 rays, these pistillate and fertile, the pappus represented by a hairy fringe at the base.

Dish flowers without pappus.

Zaluzania robinsonii W. M. Sharp

July 13, 1921.
Flowers of the
species in *Sanchez* association
of *Sanchez* and *San
Miguel* ² *San Miguel*
area, *San Miguel* of *San Miguel*,
San Miguel, Mexico.
Elevation about 3400 feet.
Finely branched shrubs
5-15 dm. tall. Heads yellow,
yellowish about 13-21 rays.
Pappus none. Rayachenes sterile.

Viguiera stenoloba Blake

4

1123. *Viguiera* ?

5-15 dm.

13-21 rays

- Chayacan (7)

9847 - November 13, 1902
In rock crevices in
the canyon 5 miles north
of San Saba and 40 miles
south of Mexia, state
of Coahuila, Mexico.

Elevation about 3700 feet.
Intercalary downfold
about 3-6 ft. high
Flowers white or faintly
pink, 4-11 per head

Eupatorium wrightii Gray

Wright (6)

786 3. 18. 19. 2
In dry, gravelly
stream bed, and on
rocky roadside banks
along the highway 5 miles
north of San Lázaro, and
40 miles south of Morelia,
State of Michoacán, Mexico,
elevation about 3700 feet.
Shrub or half. Shrub up
to about 6 dm. tall.
Leaves and young branches
succulent. Flowers yellow

Perophyllum scoparium Gray

B. B. ⑧

2227

669

332 2227

1998

2290

199

2920

2997

58599

54183

4416

12000000 54183

to the end 58599

Indian Wells	253.6	ca 3,000
Lat. walls	299.0	
14	313.7	
100	558.7	
Yuma Indian camp	281.0	
1000 ft	132.9	
7200 ft	156.9	
Needles	240.7	500
Camp	267.4	1800
1000 ft	27.1	
10000 ft	97.7	3600
Mercury	587.7	4000
Vegas	753.0	24000
Lake Mead	264	
Searchlight	110.0	4000

9884 April 2, 1964

Calico, Mohave Co.

In very sandy soil along the bottom of the washes.

On highway 65.91, 2.5 miles northeast of McQuite, Nevada.

Locate bush community.

Elevation about 3000 m.

Stems prostrate or nearly so forming loose mats. The basal part often covered in old sand. Corolla small, about 5 mm. long, lavender, the lower lobe orange becoming red, apart.

Astragalus nuttallianus A. DC.
var. *imperfectus* (Rydb.) Barnaby
det. R. C. Barnaby

Det. no. 35 ✓

12-2-64 mi. 25, 1964

San Diego Co.
In sandy, granite soil with
Achnastoma on hillsides in
Climatic Zone 23 miles
north of Encinitas. Elevation
about 1000 feet. Wish sunflower
yellow rays 5-8, pale yellow

Lactuca (B.) chrysostoma
(F. & M.) Ornduff



④

7426

7976 April 25, 1964

California, San Diego Co.
with Adenostoma and
Bauhinia on granitic hill
in Chaparral zone, 23 miles
north of Escondido.

Elevation about 1000 feet.

Broadly rounded low shrub
about 3 dm tall or scrambling
to 15 dm. Corolla bright
blue-purple; anthers yellow
golden

Solanum parishii Heller

✓ ✓
17 Shrub H-1

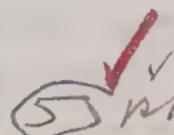
April 25, 1964

La Jolla, San Diego Co.

On a flat, an granitic slope,
with *Artemesia* and
Yucca, in Chaparral
zone, 3 miles north of
Escondido. Elevation
about 1000 feet.

Plants decumbent, many stem-
med, usually below 5-12
cm tall, sometimes \pm
scrambling. Heads sunflower-
like. Rays 5.

Eriophyllum confertiflorum (DC.)
Gray

Eriophyllum   photo #2

9888 April 26 1964

California, San Diego Co.

Stony, granitic soil at base
of summit 2 miles north of
Tecate (Mexico), in Chaparral
community dominated by
Chenopodium. Elevation about 1500
feet. Twp. 13 S., R. 3 or 4 W.
Plants 1-2.5 m. tall, sparsely
whitened. Flowers yellow

Penstemon antirrhinoides Benth.

✓

357 ✓ 6.7 = 3

1000 ft. (26 1964)

Same place as 181

Flowers rich blue-violet
Seeds numerous, reticulate-pittd.

Phacelia parryi Torr.

Phacelia

(30)

✓

9890 - April 26, 1964

Same place as 9888

Heads yellow. Ray mostly
5 or 8, less often 6 or 7

Eriophyllum wallacei (Gray)
Gray

Erigeron ② //

VEGETATION, 26, 1964

California, San Diego Co.

Growing to 2 m. or more on
shrubbery, chaparral vegetation,
dominated by Adenostoma,
at low summit 2 miles north
of T. gate (Mexico) of Lower
Crimson. Leaves somewhat
succulent, especially beneath.
(Elevation about 2000 feet.
Twp. 18 S., R. 30 or 4 W.)

Lathyrus splendens Kell.

Lathyrus (15) ✓

9892 April 26, 1964.

California, San Diego Co.

Flowering in shrub layer, in
grassland vegetation dominated
by *Adenostoma*, at low
summit 2 miles north of
Tecate (Mexico). Elevation
about 2000 feet. Twp. 18 S., R. 3 or 4 W.
Sepals 4 or seldom 6, white
or faintly greenish. Stamens
5. Chorolocular.

Clematis pauciflora Nutt.

✓

Plant 6

9112 April 26, 1964

same place as 9838.

Plants hirsutly hispida.
Flowers lavender.

Phacelia cicutaria Greene
var *hispida* (Gray) J.T. Howell

Phacelia ⑧ ✓

9894 - April 26, 1964

Same place as 9888.

Flowers white. Plants mostly
falling into two classes on
the basis of corolla size,
otherwise apparently identical.
Style obviously surpassing
the petals, these conspicuously
tuberculate.

Cryptantha muricata (H. & A.)

Nels. & Macbr.

✓

(10)

- 44 -

April 27, 1866

Imperial Co.,
Land of the 22 miles west
of Yuma, Arizona.
Elevation about 100 feet

Stems solitary or loosely
cespitose, the widely spreading
rhizomes (or roots?) deeply
buried in the sand. Corolla
pale yellow, almost white.
Stems small evidently
from sandy soil. Plants
up to about 1 m. tall,
sparsely branched.

Palauia linearis (Cav.) Eng.
var. *gigantea* W. C. Jones

Breckellia ⑦ ✓

9896. April 27, 1964
Same place as 9895.

Plants loosely colonial, the
lower part of the stem
deeply buried in the sand.
Rays yellow, mostly 13 (14).
Disk corollas with yellowish
tube and reddish-purple lobes.

Helianthus tephrodes Gray

9 April 1951

Arizona, Yuma Co.
Sandly bottoms along
Dry wash about 12 miles
east of Yuma Elevation
about 200 feet.

Bushy trees up to about 6 m.
tall, the trunk up to 3 dm.
thick at the base. Branches and
twigs green, the twigs slightly
blue-glaucous. Flowers yellow.

Cercidium floridum Benth.

1951

Palo verde

✓
? phila 315

photos 7 + 8:

1: Ocotillo, flowering but
dripping, in the desert 1 mile
west of Yuma, Arizona
with creosote & *Franeria* 065.4

2: Creosote bush - same place.
at milepost 46

5 miles south of Picacho
Yuma Co: many of *Cylindropuntia*
with *Franeria*

9311 Aug. 11, 1961

Arizona, Yuma Co.

Walls of banks along
dry wash in the desert

40 miles northeast of Yuma

and 43 miles south of Queen Creek.
Elevation about 1000 feet.

Stems branched & have leaves
to about 7 dm. tall. Twigs
green, scarcely and shortly
hairy below. Heads yellow.

Gebbia juncea (Benth.) Greene

This name has been added

1961 Specimen collected

86.0

1111 (35) ✓ ✓

photo # 9

9899 - April 28, 1964

Same place as 9898.

Shrubs up to about 9 dm. tall.
Fls. yellow. Rays 8-14, often 13.

Encelia farinosa Gray

✓

photo #10

90 - April 27, 1951.
Same place as 9898
Stems up to about 6 in. tall
5 flowers of bloom.

Trixis californica Kell.

9901 - April 27, 1964

Same place as 9878

Shrub up to about 2 m. high.
Leaves becoming glaucous on
both sides. Inflorescences
reflexed. Flowers yellowish.

Simmondsia chinensis (Link) Schneid.

var. 12 ✓ plate # 12

9702 - April 27, 1944
Sandy gravel along the
bottom of a dry wash in the
C. 240 miles northeast of
Yuma and 43 miles south of
Quartzite, Yuma Co., Ariz.
Elevation about 1000 feet.
Sandy soil.

Chromosome number determined
by James L. Rees as $n = 20$.

Eriogonum deflexum Torr.
var. *brachypodum* (T. & G.) Munz

Eriogonum (3) ✓

2703 - April 28, 1964

Granular banks of dry wash in
the desert 40 miles northeast
of Yuma and 43 miles south of
Quartzite, Yuma Co., Arizona.
Elevation about 1000 feet.

Coarse, finely branched shrubs
up to about 1 m. tall. Flowers
pale yellowish.

Brickellia coulteri Gray

✓

④

9:14 April 28, 1964

~~Gravel~~

Arizona, Yuma Co.

Sand and gravel along the bottom
of a dry wash in the desert

40 miles northeast of Yuma
and 43 miles south of

Quartzite. Elevation about
1000 feet

Euphorbia polycarpa Benth.
var. *hirtella* Boiss.

Euphorbia (Chamaesyce) 3 ✓

9905 - April 28, 1964
Arizona, Yuma Co.
Sandy gravel along the bottom
and margins of a dry wash
in the desert 4 miles north of
Quartzite. Elevation about 1000 feet.
Top. S. N. R. 18 or 194.
Blocks up to about 3 dm. high.
Heads yellow.

Encelia frutescens Gray

Encelia

35

• Job. 3. 21

PL 66 #2. same place as
9905 - 4 miles N. of Quartzsite
Mesquite,

9966 - April 28, 1964
Arizona, Yuma Co. Sandy, gravelly
bottom of dry wash in the desert
4 miles north of Quartzsite.
Elevation about 1000 feet.

Typ 5 N, R. 18 or 19 W.

Annuals. Stems bright green
somewhat glaucous, beneath
whitish.

Chromosome number determined
by James L. Reveal as $n=20$.

Eriogonum deflexum Torr.
var *brachyodon* (T. + G.) Münz

Eriogonum (10) ✓

April 23, 1921

Yunnan, Yunnan Co.

Brandy soil along the
margin of a dry wash in
the S. of 4 miles north of
Quartzite. Elevation about
10,000 feet. Twp. 5 N., R. 18 or 19 W.

Flowering on 27-5

, and thoroughly
extinguished quiet light, pale
yellow, light purplish, the
floral bright white, fine
with a rather unpleasant odor.

Sarcostemma cyananchoides Desv.
subsp. *hartwegii* (Vail) R. Holm

Asclepias ④ ✓

7708 - April 28, 1964
California, San Bernardino Co.
In sandy soil in a broad,
very shallow, dry wash
in farola desert about 24
miles northwest of Needles,
Calif. and 28 miles south
of Beavertail Mtn. Nevada
Elevation about 1900 feet
Twp. 11 N., R. 20 E.

A biennial with a stout
taproot & multistemmed
from the base, the stems
erect - ascending, or the
lateral ones erect. Flowers
white.

Geococcyx californianus ~~1~~
Terry
var. *auratus* (W. H. B.) 2

17. 1964

(13)

✓

990 - April 28, 1964
Same place as 9908.
Flowers white.

Oenothera refracta Wats.

slender white Oenothera ① ✓

9910 - April 28, 1964
Same place as 9908.
Flowers white.

Conioptilon decorticans (H. & A.)
Greene
var. ~~and~~ ¹ a Murr

✓
✓
1
L. 10, 6.5, C. 10.5, all raw?

1904, April 29, 1904

California, San Bernardino

5 miles west of San Gorgonio

Wet brushwood, broad ly
rounded shrubs up to about 10 m.
high. Branches green with a
thin, glaucous covering.
Flowers yellow. Ovipositor
2 1/2 in. long.

Cassia armata Wats.

Croco?

(35) !

Shrub #3

992 - April 29, 1904

Same place as 9908

Flowers yellow.
Chromosome number determined
by James L. Reveal as $n=16$.

Eriogonum reniforme Torr.

2000

(35)

✓

313 April 29, 1961,
Same village as 2990's.
Corolla minute, white.

Leaves finely puberulent,
surrounded by the style, 3 of them
scarcely 1 mm long, the 4th one
abaxial, slightly over 1 mm long,
a little more persistent than the
others.

Cryptantha angustifolia (Torr.)
Greene

(Collected 1963) ✓

9914 - April 29, 1964

Same place as 9958. Much
branched half-shrubs up to
about 6 cm. tall.

Lepidium fremontii S. Wats.

Lepidium (15) phl. 4

99 - April 29 1913

Same place as 99-3.

Weakly branched spring shoot
about 6 dm. tall.

Leaves blue-gray
green tips of the corolla rich
blue purple, the galea dull
pinkish lavender, with
whitish margins

Salazaria mexicana T. & G.

Mint. ② ✓ Plant 5 /

9916 - May 1, 1904
Nevada, Nye Co. Gentle,
gravelly slopes above the
northwest end of ~~End~~
Yucca Flat, not far below the
east base of Rainier Mesa,
about 39 miles north of
Mercury. Colcagine
community. Elevation
about 5000 feet
Rays 5, yellow. Disk orange -
yellow.

Syntrichopappus fremontii Gray

5300 519.8
Eriophyllum

(11) ✓

9917 · May 1, 1964

Nevada, Nye Co.

Granitic, limestone soil
a little above the bottom
of a dry wash, with
Calochortus, Cirsium, and
Ephedra, a little above the
upper limit of the Larrea
community, 2 miles
northeast of Mercury. ✓
Elevation 4300'.

Stems glaucous. Flowers
light yellow. Chromosome
number det. by James L. Reveal
11 ± 16.

Near the corner of Twp. 15-16S.,
R. 53-54E.

Ericogonum inflatum Torr.

E. trichopes Torr. sive T. Howell,

May 21, 1964

Ericogonum (11) ✓

9518 - May 1, 1964
Nevada, ~~or~~ Nye Co.
Rocky, northeast-facing
limestone slope with
Ephedra etc., a little above
the upper limits of the
Farria community, 2 miles
northeast of Mercury.
Elevation about ~~4500~~ 4700
feet. Twp. 15 S., R. 54 E.

Plants mesphitic. Corolla
lavender, with light
yellowish throat.

near the corner of 14-15 S.,
and 53-54 E.

Gilia scopulorum Jones

Gilia 5 ✓

9419 - May 2, 1964

Nevada, Clark Co.

Gravelly outwash slopes of the
Charleston Mts. near the bottom
of the valley between the
Charleston Mts. and the Sheep
Mts. about 25 miles ~~south~~
northwest of Las Vegas community.

Twp. 17 S., R. 58 E., about S. 25

Elevation about 3100 feet. ~~Common~~

Stems & branches glaucous.

Flowers rather light yellow.

Only the larger plants with
inflated peduncles. Plants
abundant.

Chromosome number determined
by James L. Revel as $n=16$.

Eriogonum inflatum Torr.

19-7, 20-8, 22-8

Eriogonum inflatum (5) ✓

9920 - May 7, 1964

Nevada, Clark Co.

Granulely cutwash slopes of the
Charleston Mts., near the bottom of
the valley between the Charleston
Mts. and the Sheep Mts., about 25
miles northwest of Las Vegas, in
the lava community. Sparse,
and seen only where the soils
influenced by peculiar clay
deposits which stand up above
the general level of the granulely

fan. Twp. 175, R. 58 E., about 525.
Elevation about 3100 feet.

Flowers lavender.

Phacelia pulchella Gray
var. *gooddingii* (Brand) J. T. Howell

Phacelia ③

9921 - May 3, 1964.

Nevada, Clark Co. Same
place as 9919.

Plants moderately abundant.
Corolla flecked with
lavender-purple on a pale
lavender background.

Langloisia setosissima (T. & G.) Green

446

Langloisia (5) ✓

9922 - May 3, 1964

Nevada, Clark Co.

On volcanic outcrops in Lava
desert overlooking the Colorado
River, 10 miles east of Search-
light.

Elevation about 1500 feet
Brittle, soft-wooded shrubs or
half-shrubs up to about 6 dm.
tall. Plants very prongently
hispid. Corolla white, perhaps
faintly ochreous.

Luina viscosa Parry

22.5

1670

7

Mentzelia (35) photo #7

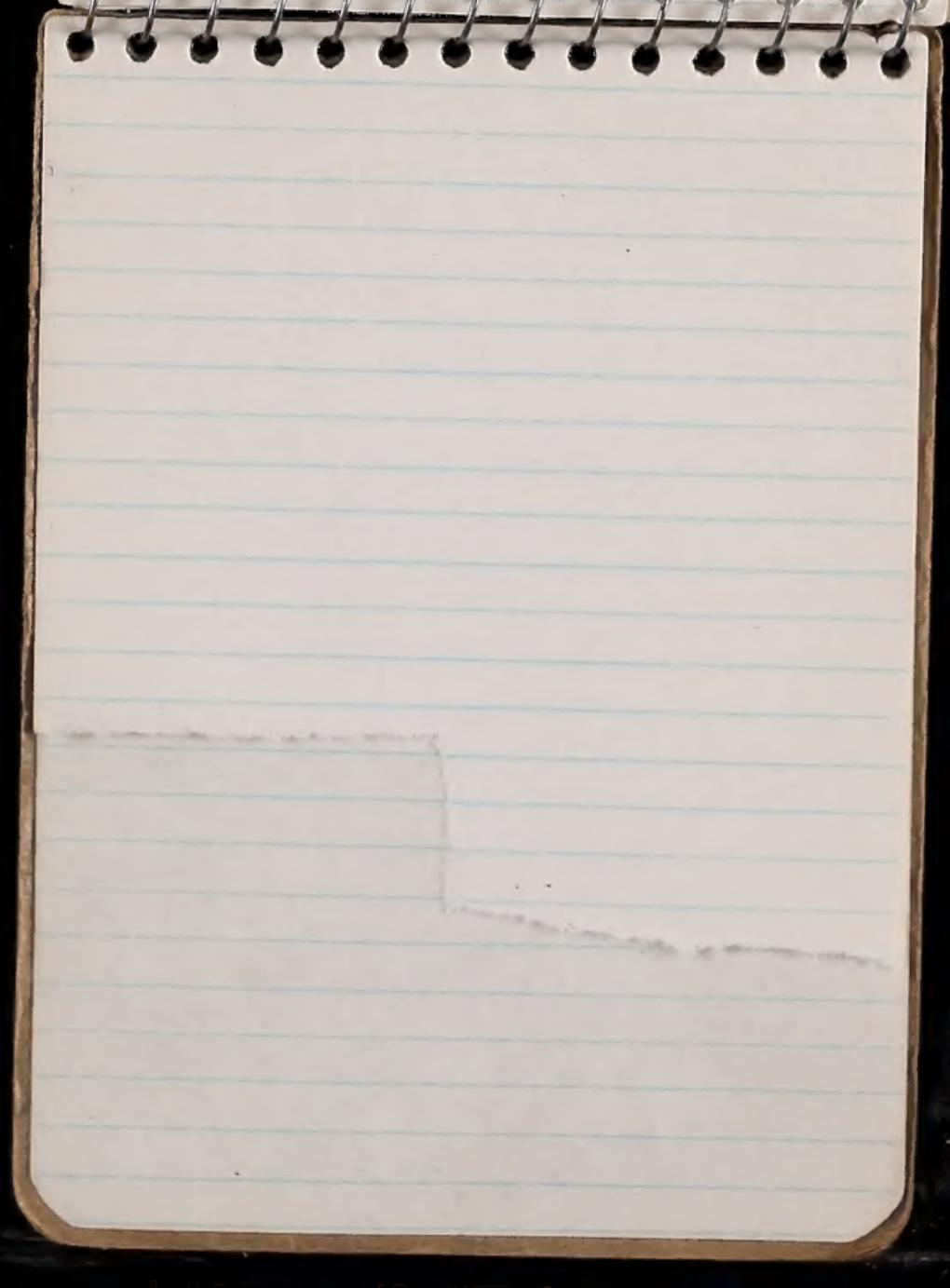
9923 - May 3, 1964
Nevada, Clark Co.
Same place as 9922

Shrubs up to about 8 dm. tall.
Leaves bright green, glutinous.
Corolla pale yellow, the anthers
brighter yellow.

Percephyllum schottii Gray

516

Percephyllum 35 ✓ Photo #6



70 738-2 ages

Warren
Brennan
Douglas
Black
Clark
Goldberg
White.
Stewart

399. *Saltillo*
471 *San Lazaro*
516 *Mocave*

75 Mat.
San Roberto 3

